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ATTACHMENT G

a.

GENERIC TOXICITY REDUCTION EVALUATION (TRE) WORKPLAN POTW

1.	Information	and Data	Acquisition
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uuioii	and Dut	a requisition		
Opera	ations a	nd performance review		
i.	NPDES permit requirements			
	(1)	Effluent limitations		
	(2)	Special conditions		
	(3)	Monitoring data and compliance history		
ii.	POTV	V design criteria		
	(1)	Hydraulic loading capacities		
	(2)	Pollutant loading capacities		
	(3)	Biodegradation kinetics calculations/assumptions		
iii.	Influe	Influent and effluent conventional pollutant data		
	(1)	Biochemical oxygen demand (BOD ₅)		
	(2)	Chemical oxygen demand (COD)		
	(3)	Suspended solids (SS)		
	(4)	Ammonia		
	(5)	Residual chlorine		
	(6)	pH		
iv.	Proce	ss control data		
	(1)	Primary sedimentation - hydraulic loading capacity and BOD and SS removal		
	(2)	Activated sludge - Food-to-microorganism (F/M) ratio, mean cell residence time (MCRT), mixed liquor suspended solids (MLSS), sludgy yield, and BOD and COD removal		
	(3)	Secondary clarification - hydraulic and solids loading capacity, sludge volume index and sludge blanket depth		
v.	Operations information			
	(1)	Operating logs		
	(2)	Standard operating procedures		
	(3)	Operations and maintenance practices		
vi.	Process sidestream characterization data			
	(1)	Sludge processing sidestreams		
	(2)	Tertiary filter backwash		
	(3)	Cooling water		
vii.	Combined sewer overflow (CSO) bypass data			
	(1)	Frequency		
	(2)	Volume		
viii.	Chemical coagulant usage for wastewater treatment and sludge processing			
	(1)	Polymer		
	(2)	Ferric chloride		

(3)

Alum

POTW influent and effluent characterization data

b.

	i.	Toxicity		
	ii.	Priority pollutants		
	iii.	Hazardous pollutants		
	iv.	SARA 313 pollutants,		
	v.	Other chemical-specific monitoring results		
c.		ge residuals (raw, digested, thickened and dewatered sludge and incinerator characterization data		
	i.	EP toxicity		
	ii.	Toxicity Characteristic Leaching Procedure (TCLP)		
	iii.	Chemical analysis		
d.	Indus	Industrial waste survey (IWS)		
	i.	Information on lUs with categorical standards or local limits and other significan non-categorical lUs		
	ii.	Number of IUs		
	iii.	Discharge flow		
	iv.	Standard Industrial Classification (SIC) code		
	v.	Wastewater flow (1) Types and concentrations of pollutants in the discharge (2) Products manufactured		
	vi.	Description of pretreatment facilities and operating practices		
	vii.	Annual pretreatment report		
	viii.	Schematic of sewer collection system		
	ix.	POTW monitoring data (1) Discharge characterization data (2) Spill prevention and control procedures (3) Hazardous waste generation		
	х.	 IU self-monitoring data (1) Description of operations (2) Flow measurements (3) Discharge characterization data (4) Notice of sludge loading (5) Compliance schedule (if out of compliance) 		
	xi.	Technically based local limits compliance reports		
	xii.	Waste hauler monitoring data manifests		

Evidence of POTW treatment interferences (i.e., biological process inhibition

xiii.